Upgrade to version (1.7.12a)

Upgrade to Release 1.7.12 from 1.7.09 c

Version Information

Current Version:	1.7.12a
Release Date:	May, 2020
License:	Mozilla 2 Open Source License

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Description	i2b2 Released Version	Minimum Version Required	Download Link	Requirements
Files to upgrade the i2b2 server to 1.7.12a	1.7.12a	1.7.09c	i2b2core-war-1712a.zip	See Technical Details section on the i2b2 Upgrades page.

Notes

Release 1.7.12 contains changes to the i2b2 core Server, database and Web Client.

- The upgrade process is now made easier using a pre-built war file and the properties files are now stored in the database.

- The prebuilt-war file has all the core, web and database files packaged together and available as single download zip file.

Note: If you are running your application on JBoss, please upgrade to Wildfly before proceeding with the upgrade.

Upgrade Instructions

Below are Step-by-Step Instructions after you have upgraded to Wildfly.

Example Paths to i2b2.war

WildFly 10 path

```
/opt/wildfly-10.0.0.Final/standalone/deployments/i2b2.war/
```

Step-by-Step Instructions for WildFly

In the following instructions the variable { version } refers to your version of Wildfly installed. We have tested with Wildfly 10, 14, and 17.

1   **Stop WildFly**

Linux Example

```
$ /opt/wildfly-{version}.Final/bin/jboss-cli.sh --connect command=:shutdown
```

2   **Backup** your existing **i2b2.war directory**

Linux

On **Linux**, move the */opt/wildfly-{version}.Final/standalone/deployments/* and save it to a different location outside of */opt/wildfly-{version}.Final/*

Windows

On **Windows**, move the *c:\opt\wildfly-{version}.Final\standalone\deployments* and save it to a different location outside of *c:\opt\wildfly-{version}.Final*

3 **Extract** the download file i2b2core-war-1712a.zip to a folder outside of wildfly folder.

4 **Copy** all the files from the download war file **deployment** into your existing **WildFly standalone directory.**

5 **Upgrade Database**

Run the following upgrade scripts on your i2b2 database instance, where {db} can be Oracle, sqlserver or postgresql

In **data** folder	
1.7.09c	PmData/scripts/upgrade_{db}_i2b2pm_tables.sql
	Crcdata/scripts/crc_create_query_{db}.sql
	Hivedata/scripts/upgrade_{db}_i2b2hive_tables.sql
1.7.10	Metadata/scripts/ont_{db}.sql
	Crcdata/scripts/crc_create_query_{db}.sql
	Hivedata/scripts/upgrade_{db}_i2b2hive_tables.sql
1.7.11	Crcdata/scripts/crc_create_query_{db}.sql
1.7.12	Hivedata/scripts/upgrade_{db}_i2b2hive_tables.sql

Run the ant scripts for Metadata and Crcdata for releases 1.7.09C to 1.7.12.

If you are upgrading from 1.7.12 to 1.7.12a, run the ant script for Crcdata.

6

Update the datasource (*-ds.xml) files in your **deployment directory**

Copy ***-ds.xml** files from the backup folder to **wildfly-1#.0.1.Final/standalone/deployments**

Edit the following files **crc-ds.xml**, **ont-ds.xml**, **pm-ds.xml**, **work-ds.xml**
and replace ALL the **<driver>{something}.jar</driver>** with

Oracle	SQL Server	PostgreSQL
<driver>ojdbc8.jar</driver>	<driver>mssql-jdbc-7.4.1.jre8.jar</driver>	<driver>postgresql42.2.8.jar</driver>

7

Migrate cell properties to 1.7.12, if needed. In 1.7.12, cell properties have been moved to the database, in a table called hive_cell_params. If any cell properties were previously changed, they will need to be manually updated in the database. After this, the properties files can be deleted to prevent confusion.

More documentation on setting cell properties is available at this page. Most commonly, the AGG_SERVICE_ACCOUNT password will need to be updated. Generally, the cell URLs do not need to be configured anymore, as the hostname and port is now auto-detected.

> ## Example
>
> Properties files are stored at */opt/wildfly-{version}.Final/standalone/configuration/* on **Linux** and c:*\opt\wildfly-{version}.Final\standalone\configuration* on **Windows**. The table can be edited with a SQL editor in hive_cell_params.

8

Backup your existing **i2b2_config_data.js** from your web server

On your webclient backup your existing **i2b2_config_data.js** to a folder outside of your web server.

> ## Linux Example
>
> On **Linux**, *move the folder /var/www/html/webclient/ and save it to a different location outside of /var/wwww /html/webclient*

Windows

On **Windows**, move the folder *c:\inetpub\webclient* and save it to a different location outside of *c:\inetpub\webclient*

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9   **Install** the new webclient on your web server

Linux

On **Linux**, extract the i2b2webclient-1712a.zip to the folder */var/www/html/webclient/* and copy the backup **i2b2_config_data.js** to */var/wwww/html/webclient*

Windows

On **Windows**, *extract the i2b2webclient-1712a.zip c:\inetpub\webclient* and copy the backup **i2b2_config_data.js** to *c:\inetpub\webclient*

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10   **Start WildFly**

Linux Example

```
$ /opt/wildfly-{version}.Final/bin/standalone.sh -b 0.0.0.0 &
```

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11   **Verify** your upgrade

Test Web Client

Navigate to your local i2b2 Web Client in your preferred browser and verify you are able to log on and perform standard i2b2 functions. (e.g. Run queries, retrieve previous queries, view breakdowns, etc.)